

ABSTRACT

A position and/or movement sensor for measuring a position or movement of a first object relative to a second object comprises a measuring device including a first member coupled to the first object; a second member coupled to the second object; and one or more first spring elements coupled between the first and second members; one or more stop members for limiting movement of the first member relative to the second member in at least one linear direction and/or about at least one pivot axis; and one or more second spring elements coupled between the first member and the first object. A spring constant of the second spring elements is greater than a spring constant of the first spring elements in at least one linear direction or about at least one pivot axis.